

PI3 Kinase p110 alpha Rabbit mAb

Catalog No.: A22730 **Recombinant**

Basic Information

Observed MW

110kDa/

Calculated MW

124kDa

Category

Primary antibody

Applications

ELISA, WB, IP

Cross-Reactivity

Human, Mouse

CloneNo number

ARC58257

Background

Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers. A pseudogene of this gene has been defined on chromosome 22.

Recommended Dilutions

WB 1:5000 - 1:30000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

5290

Swiss Prot

P42336

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 294-610 of human PI3 Kinase p110 alpha. (NP_006209.2).

Synonyms

MCM; CCM4; CWS5; MCAP; PI3K; CLAPO; CLOVE; MCMTC; PI3K-alpha; p110-alpha; PI3 Kinase p110 alpha

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

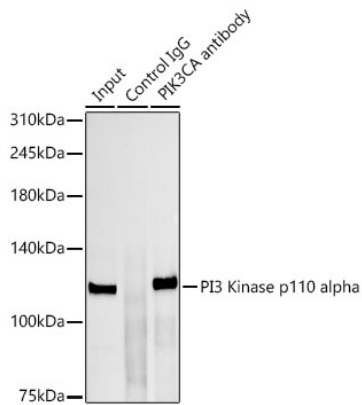
Affinity purification

Storage

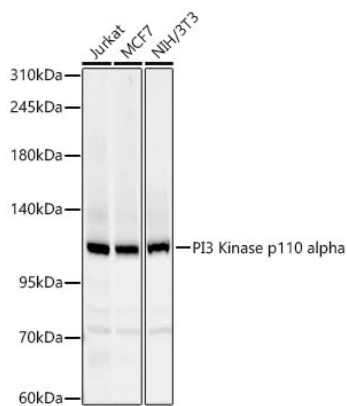
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Immunoprecipitation analysis of 300 μ g extracts of Jurkat cells using 3 μ g PI3 Kinase p110 alpha antibody (A22730). Western blot was performed from the immunoprecipitate using PI3 Kinase p110 alpha antibody (A22730) at a dilution of 1:80000.



Western blot analysis of various lysates using PI3 Kinase p110 alpha Rabbit mAb (A22730) at 1:5000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates / proteins: 25 μ g per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.